

Title (en)  
MANDREL FOR THE CONNECTION OF TWO PIPE ENDS

Publication  
**EP 0178626 B1 19900523 (DE)**

Application  
**EP 85113037 A 19851015**

Priority  
DE 3438173 A 19841018

Abstract (en)  
[origin: EP0307971A2] A coupling box for connecting the ends of two lines for flowing media, particularly for internal-combustion engine fuel lines, having a collar part (3) which has at least one insertion opening (5), provided with an elastic sealing body (6), for holding a line end, and at least two securing fingers (16), which can be deflected at right angles to the insertion direction (8) and project over the sealing body (6) and whose free ends are in each case provided with projections (26) which act on the outer wall of the sealing body (6), and having an axially movable securing sleeve (19) which, in its operating position, embraces the free ends of the securing fingers (16), essentially without play.

IPC 1-7  
**B60K 15/01; F16L 33/23; F16L 37/08; F16L 37/12**

IPC 8 full level  
**B60K 15/00** (2006.01); **B60K 15/01** (2006.01); **F16L 33/23** (2006.01); **F16L 37/08** (2006.01); **F16L 37/12** (2006.01); **F16L 37/133** (2006.01); **F16L 37/138** (2006.01)

CPC (source: EP)  
**F02M 55/004** (2013.01); **F16L 33/30** (2013.01); **F16L 37/133** (2013.01); **F16L 37/138** (2013.01); **F02M 2200/853** (2013.01)

Citation (examination)  
EP 0097089 A1 19831228 - IND S A [FR]

Cited by  
CN115059696A; CN103244774A; GB2263144A; GB2263144B

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**EP 0307971 A2 19890322; EP 0307971 A3 19890405; EP 0307971 B1 19911218**; DE 3438173 A1 19860424; DE 3577906 D1 19900628; DE 3584979 D1 19920130; EP 0178626 A1 19860423; EP 0178626 B1 19900523

DOCDB simple family (application)  
**EP 88117883 A 19851015**; DE 3438173 A 19841018; DE 3577906 T 19851015; DE 3584979 T 19851015; EP 85113037 A 19851015